CPP 程式設計題	
命題者:Shen	
題目名稱(中文/英文):Don't starve	yourself!
主要測試觀念:Class , String, Function	
Basics	Functions
☐ C++ BASICS ■ FLOW OF CONTROL ■ FUNCTION BASICS ☐ PARAMETERS AND OVERLOADING ☐ ARRAYS ■ STRUCTURES AND CLASSES ■ CONSTRUCTORS AND OTHER TOOLS ☐ OPERATOR OVERLOADING, FRIENDS, AND REFERENCES ■ STRINGS ☐ POINTERS AND DYNAMIC ARRAYS	SEPARATE COMPILATION AND NAMESPACES STREAMS AND FILE I/O RECURSION INHERITANCE POLYMORPHISM AND VIRTUAL FUNCTIONS TEMPLATES LINKED DATA STRUCTURES EXCEPTION HANDLING STANDARD TEMPLATE LIBRARY PATTERNS AND UML
題目説明:	
Xiao Ming likes to read adventure story. He wants adventure. In the adventure, character will eat what What you need to do:  1. Implement two classes <b>Food</b> and <b>Character</b> to 2. <b>Character</b> should have three properties: <b>satisf</b>	tever food he/she meets.  o record some information.

- Food should have two properties satisfaction and sanity, which means what your character eat will affect character's satisfaction and sanity.
- 3. You also need to implement a function **feast(Food)** in the character class, to store the effect of the food. Don't forget to implement a function show() in the character class to show the character's state.
  - After all of this, you can start your adventure by typing some content.
- 4. There will be 3 kinds of food for now: jerky(meat), carrot(vegetable), monster meat(bad **meat**), each kind would have different effect.(I already define these for you in the main.cpp) You need to detect whether they exist in your content or not. Character will eat whatever food he/she meets, so you only need identify word but not verb. Your adventure stops when you type "end".

## 輸入說明:

- 1. First line should be your character's **name**. (No more than 9 words)
- 2. Then, type in the content of your adventure. Update character's state each line (updated by the function feast(Food)). Show your character's state every line.
- 3. We only recognize the food with **all lowercase letters**. (jerky but not Jerky)
- 4. And when you type in a single "end" or "End", finish the adventure.

Some special case you need to notice will be discussed below.(其他註記區)

## 輸出說明:

- Output format is in output.txt.
- You only need to print the result on the screen.(Don't output a file.)

Sample Input	Sample Output (whole version is in output.txt)
Wilson	Please see the output.txt
He finds some jerky.	
He finds some carrot.	
He picks up some monster meat.	
He gets jerky and carrot.	
At the end, he finds a jerky again!	
End	
附屬資料:	
☑解答程式:	
☑測試資料: output.txt	
■易,僅需用到基礎程式設:	<b>计語法與結構</b>
]]中,需用到多項程式設計言	吾法與結構
一難,需用到多項程式結構或	<b>支較為複雜之資料型態或結構</b>
解題時間:25 分鐘	
其他註記:	
. When there are more than two kir	nds of food in one line, you should consider both of their
effect.	
pick up jerky and monster meat.	
2. If there are same food in one line,	
Ex: I eat two jerky. $\rightarrow$ You still con	
3. An adventure only ends with a sir	
Ex: At the end, I have a jerky. $\rightarrow$ W	on't end the adventure!
Ex: end. $\rightarrow$ The adventure ends.	

4. Hints: setw(10) for name, setw(20) for satisfaction and sanity. Please make sure about your alignment. If we can't figure your answer, you can't get the score.